

BookletChart™

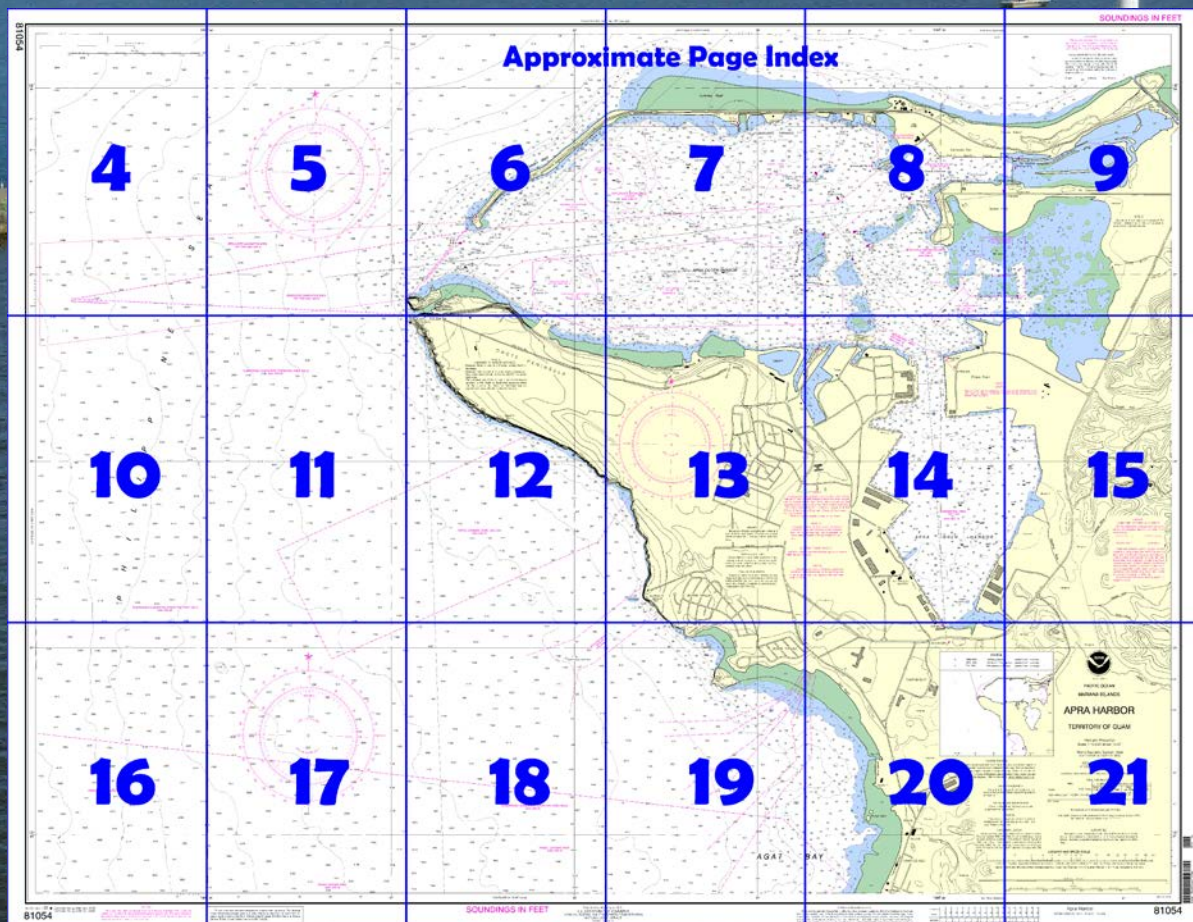
Mariana Islands – Apra Harbor NOAA Chart 81054



A reduced-scale NOAA nautical chart for small boaters
When possible, use the full-size NOAA chart for navigation.



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
888-990-NOAA

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

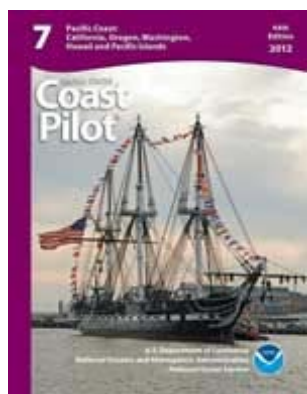
Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at <http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=81054>.



(Selected Excerpts from Coast Pilot)
Guam (13°25'N., 144°44'E.), a U.S. territory since 1898, is not included in the Commonwealth of the Northern Marianas. The largest and southernmost island of the Marianas Archipelago, Guam is about 30 miles long and varies from 4 to 8 miles in width.

Apra Harbor, situated midway along the W coast of Guam, is the main berthing facility on the island, consisting of a commercial harbor, a naval complex, and a repair facility.

The harbor is comprised of two main areas; **Apra Inner Harbor** and Apra

Outer Harbor. **Apra Outer Harbor** is the principal commercial port. Apra Inner Harbor houses the U.S. Naval facility and a commercial ship repair facility. **Glass Breakwater** forms the N and NW sides of Apra Outer Harbor and acts as a barrier against most ocean swells from the N and W. The seaward end of the breakwater is marked by a light. The harbor is extensive and safe, except during typhoon season, when vessels should be prepared to get underway at short notice.

Anchorage.—There are **naval, explosive, and general anchorages** that have been designated within Apra Outer Harbor. (See **33 CFR 110.1 and 110.238**, chapter 2, for limits and regulations.)

There are also **special anchorage areas** in Apra Outer Harbor. (See **33 CFR 110.1 and 110.129a**, chapter 2, for limits and regulations.)

Channels.—The approaches to the harbor are free and deep, as is the channel between the breakwaters. The entrance to Apra Outer Harbor is marked by lights, lighted buoys, and a **083°** lighted range. The entrance to Apra Inner Harbor is marked by lighted buoys and a **141°** lighted range and a **176°** lighted range.

Regulated navigation areas.—**Regulated navigation areas** have been established in the approach to and in Apra Outer Harbor. (See **33 CFR 165.1402 and 165.1405**, chapter 2, for limits and regulations.)

Safety zones and security zones have been established in Apra Outer Harbor. (See **33 CFR 165.1401 and 165.1404**, chapter 2, for limits and regulations.)

Apra Inner Harbor and an area just W of the entrance to the Inner Harbor are included in a **restricted area**. (See **33 CFR 334.1 through 334.6 and 334.1430**, chapter 2, for limits and regulations.) A **harbor security barrier gate**, marked by two uncharted buoys, has been installed across the entrance to Apra Inner Harbor between the outermost ends of Wharves L and B.

Caution.—The restricted area of a **Firing Danger Zone** extends offshore about 1 mile S of Orote Point and off the SW coast of the island. (See **33 CFR 334.1420**, chapter 2, for limits and regulations.) An acoustic range facility is S of the restricted area and a submarine operating area surrounds most of the island.

Pilotage.—Pilotage is compulsory for vessels over 500 gross tons and all vessels entering the port for the first time and after daylight hours. Pilot services are available on a 24-hour basis for Apra Harbor. Pilots are required to board inbound vessels and leave outbound vessels at Alpha Hotel Pilot Station (13°26'52"N., 144°35'16"E.), about 2 miles W of Orote Point, to insure that the vessel is properly aligned on the entrance range; the station is unmarked.

Harbor Regulations.—All operations in Apra Outer Harbor are under the jurisdiction of The Port Authority of Guam and The United States Coast Guard. Prior to entry all vessels must establish communications with Guam Port Control Harbormaster's office on VHF-FM channels 12, 13 or 16; call sign WRV-574. The phone number for Guam Port Control Harbormaster's Office is 671-477-8697.

All operations in Apra Inner Harbor are under the jurisdiction of the U.S. Navy Port Control Harbormaster's Office with communication on VHF-FM channels 14 and 16. The phone number is 671-339-6141.

Vessels entering, leaving or shifting berth are required to give a minimum of 24 hours notice to **The Port Authority of Guam Harbor Master and US Coast Guard Captain of the Port**. Failure to give such notice is a basis for denying entry. No vessel shall enter or leave the harbor without radio clearance from the Harbormaster. Vessels must be ISPS/MTSA compliant.

U.S. Coast Guard Rescue Coordination Center 24 hour Regional Contact for Emergencies

RCC Honolulu	Commander	
	14th CG District	(808) 535-3333
	Honolulu, HI	

Table of Selected Chart Notes

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

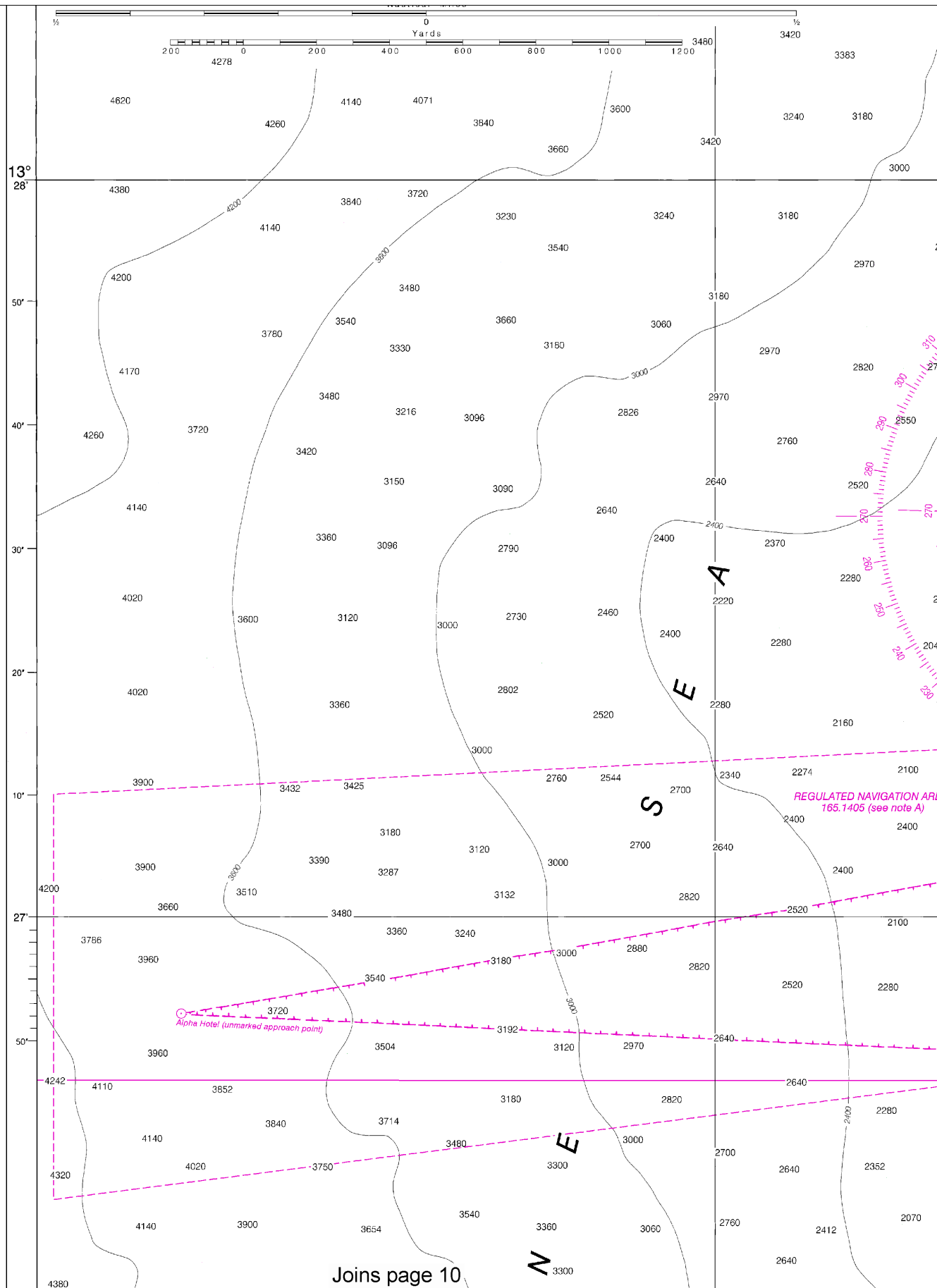
HEIGHTS

Elevations of rocks and lights are in feet and refer to Mean High Water. Contour and summit elevation values are in feet and refer to Mean Sea Level.

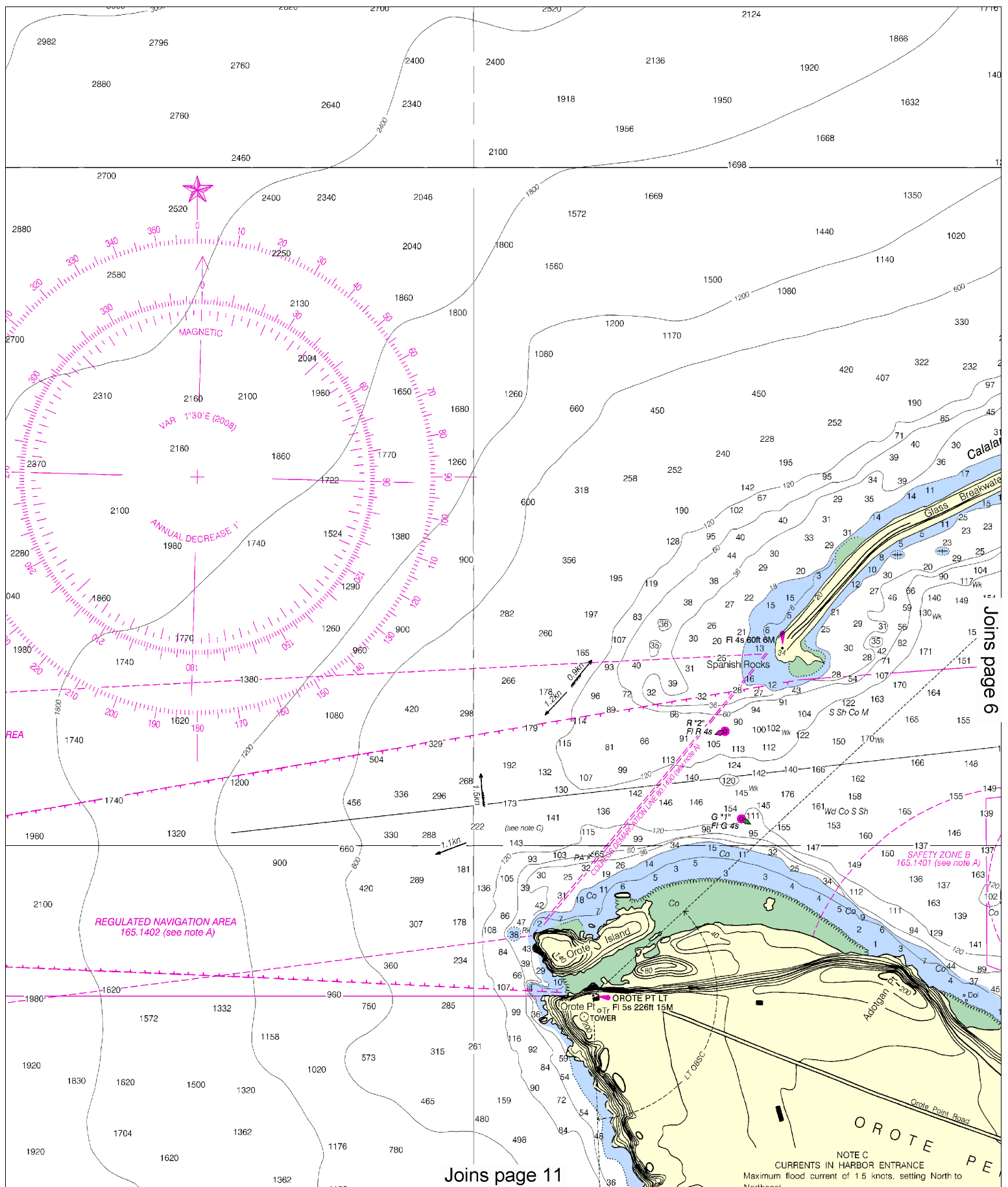
NOTE A

Navigation regulations are published in NGA Publication 126 or weekly Notice to Mariners which include new or revised regulations. Information concerning the regulations may be obtained at the Office of the Commander, 14th Coast Guard District in Honolulu, Hawaii or at the Office of the District Engineer, Corps of Engineers in Honolulu, Hawaii.

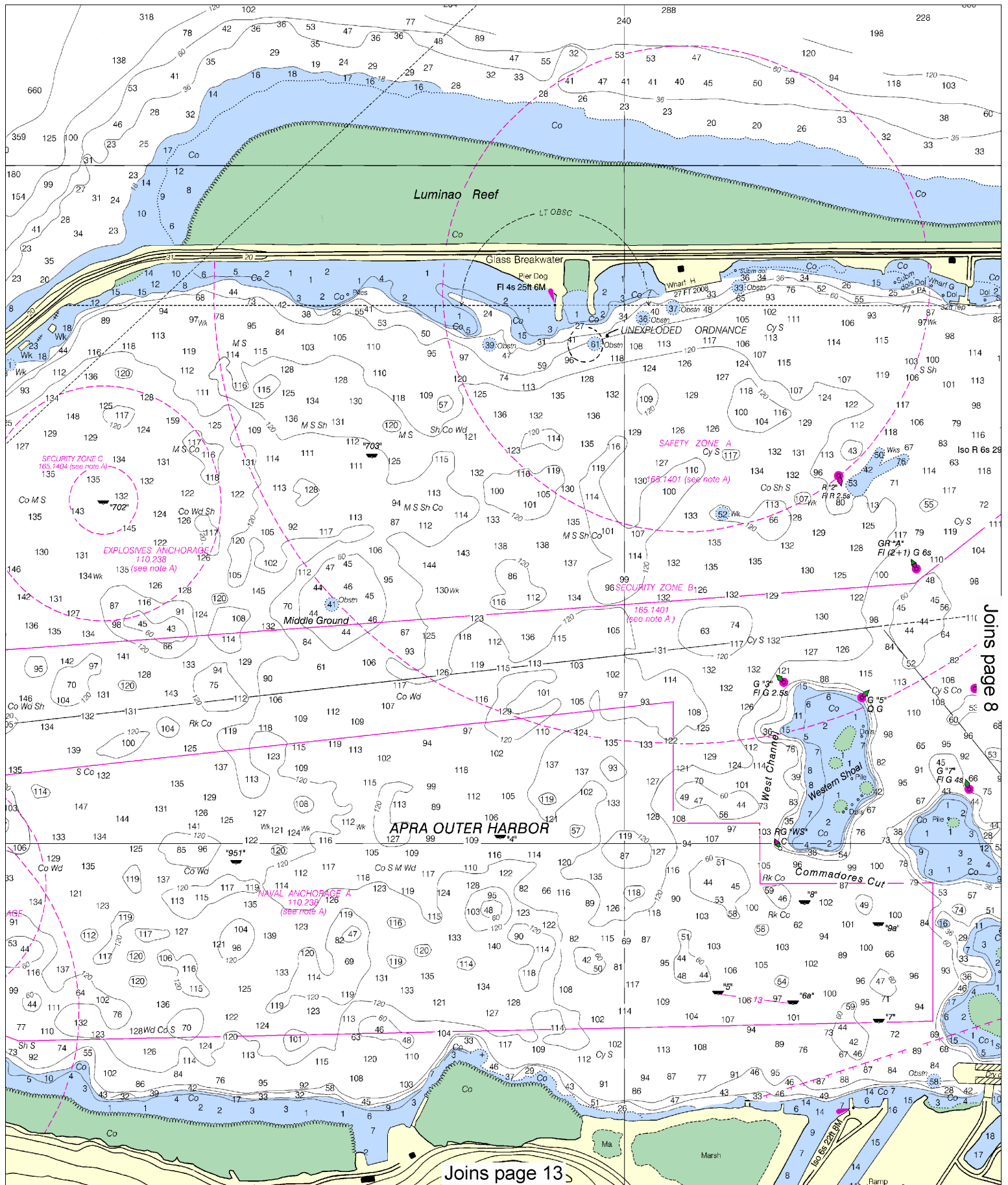
Refer to charted regulation section numbers.



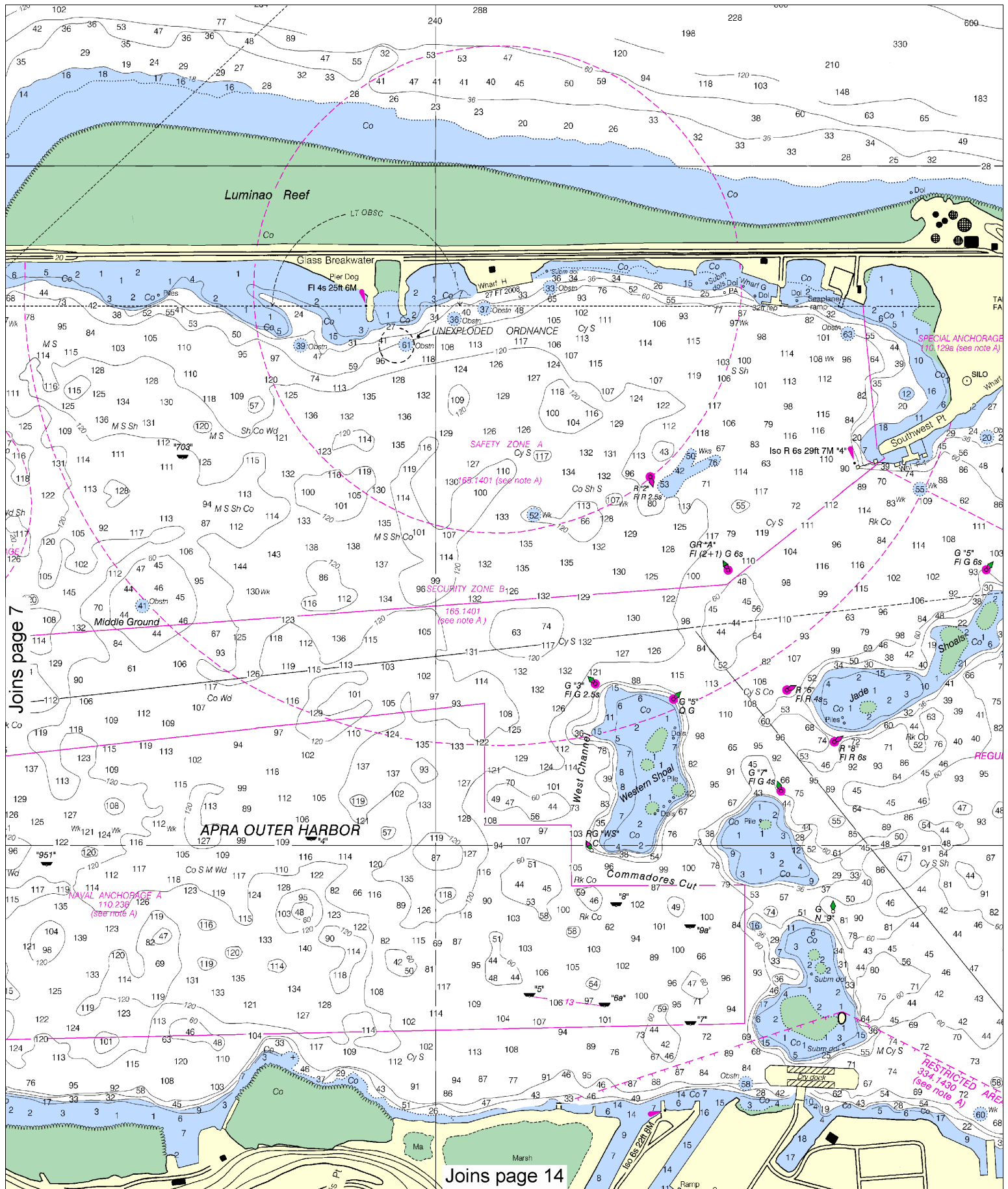
Note: Chart grid lines are aligned with true north.



This BookletChart was reduced to 75% of the original chart scale.
The new scale is 1:13333. Barscales have also been reduced and
are accurate when used to measure distances in this BookletChart.



This BookletChart has been updated through: Coast Guard Local Notice To Mariners: 0313 1/15/2013,
 NGA Weekly Notice to Mariners: 0613 2/9/2013,
 Canadian Coast Guard Notice to Mariners: n/a.



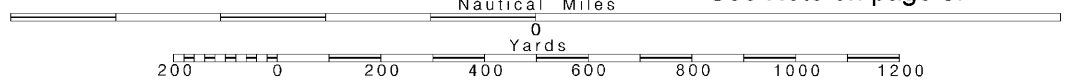
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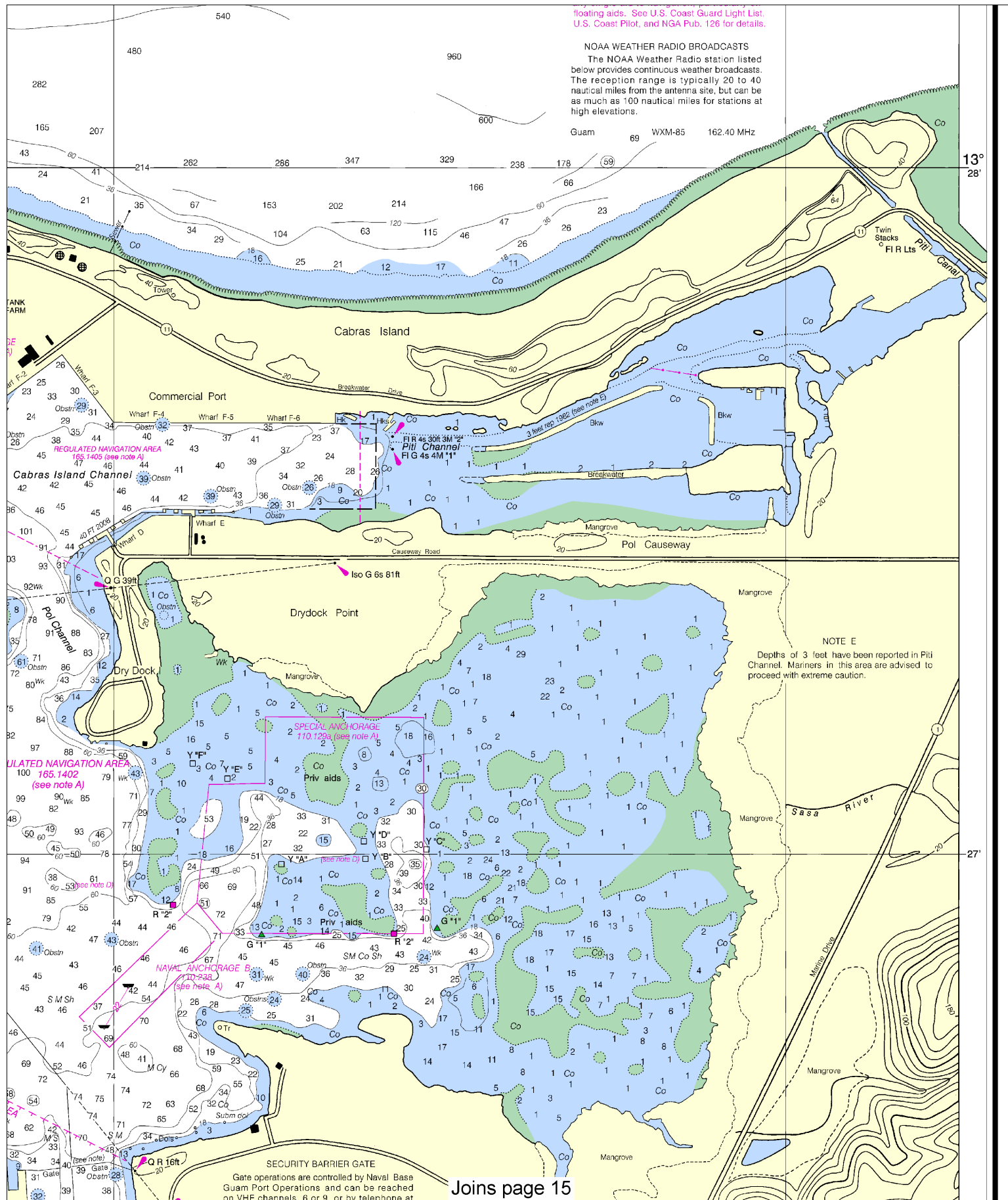
Note: Chart grid lines are aligned with true north.

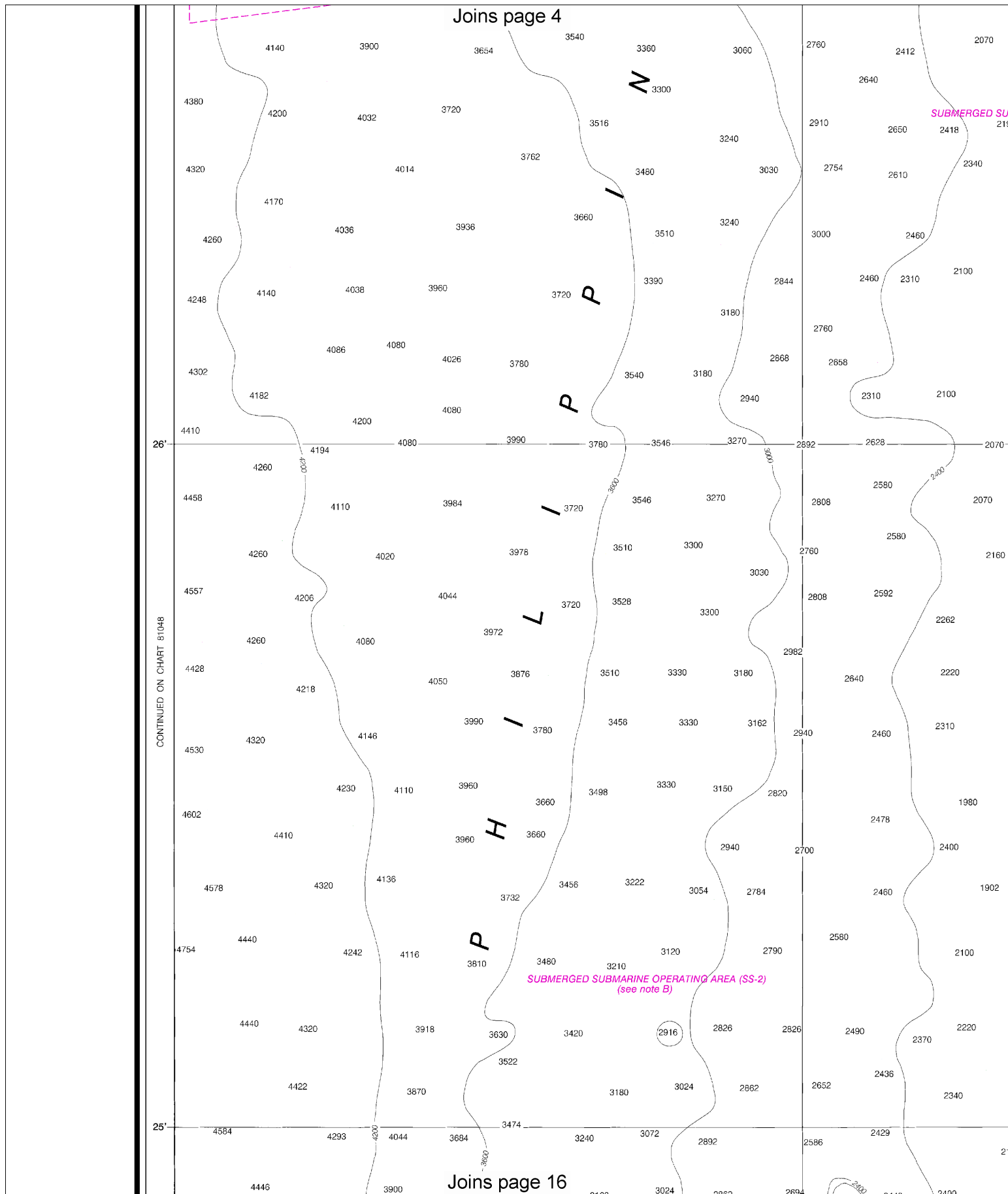
Printed at reduced scale.

SCALE 1:10,000

See Note on page 5.





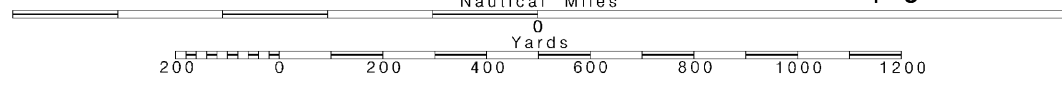


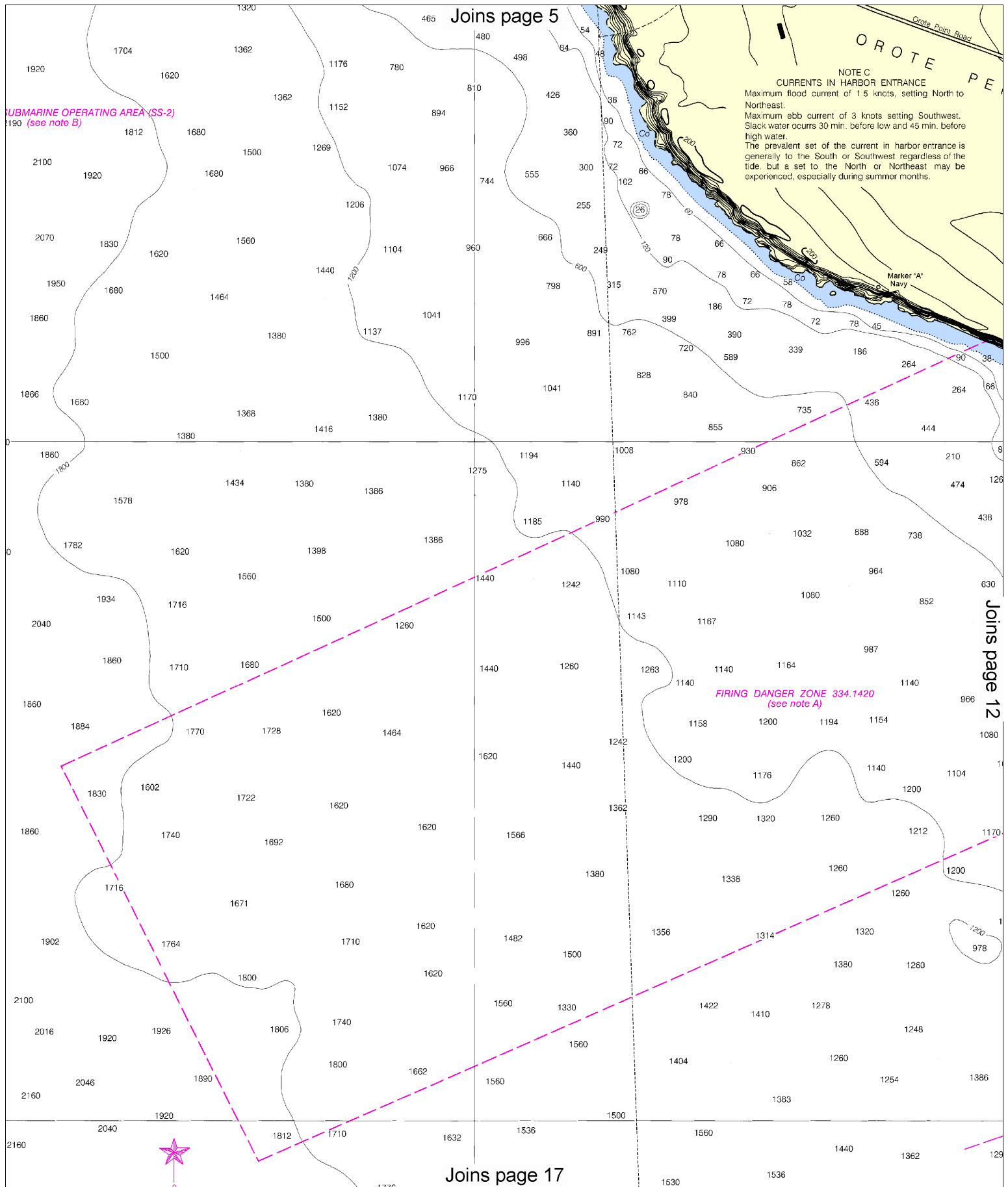
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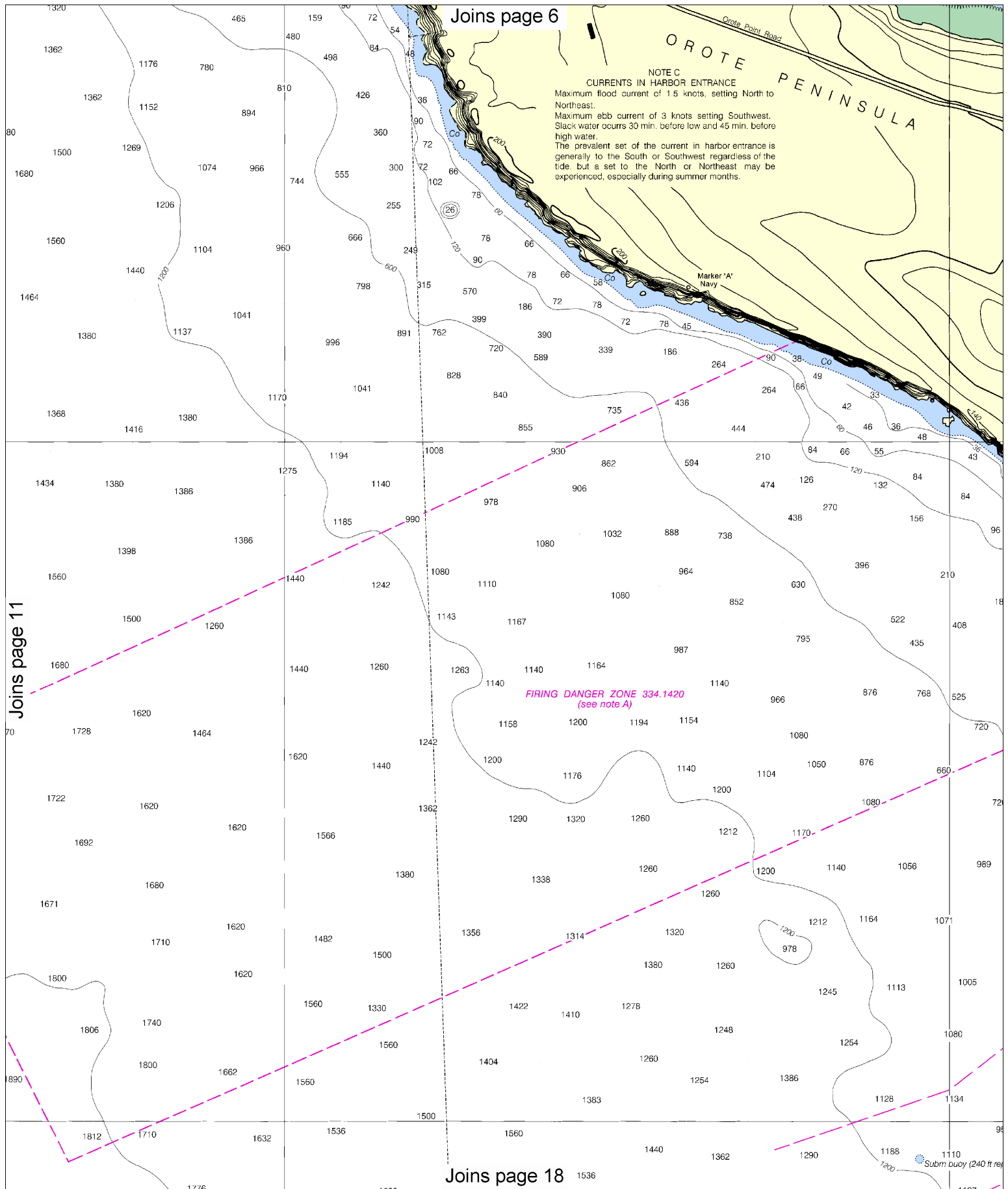
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. — SCALE 1:10,000 —

See Note on page 5.







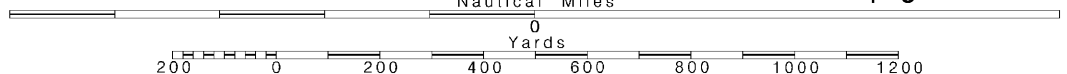
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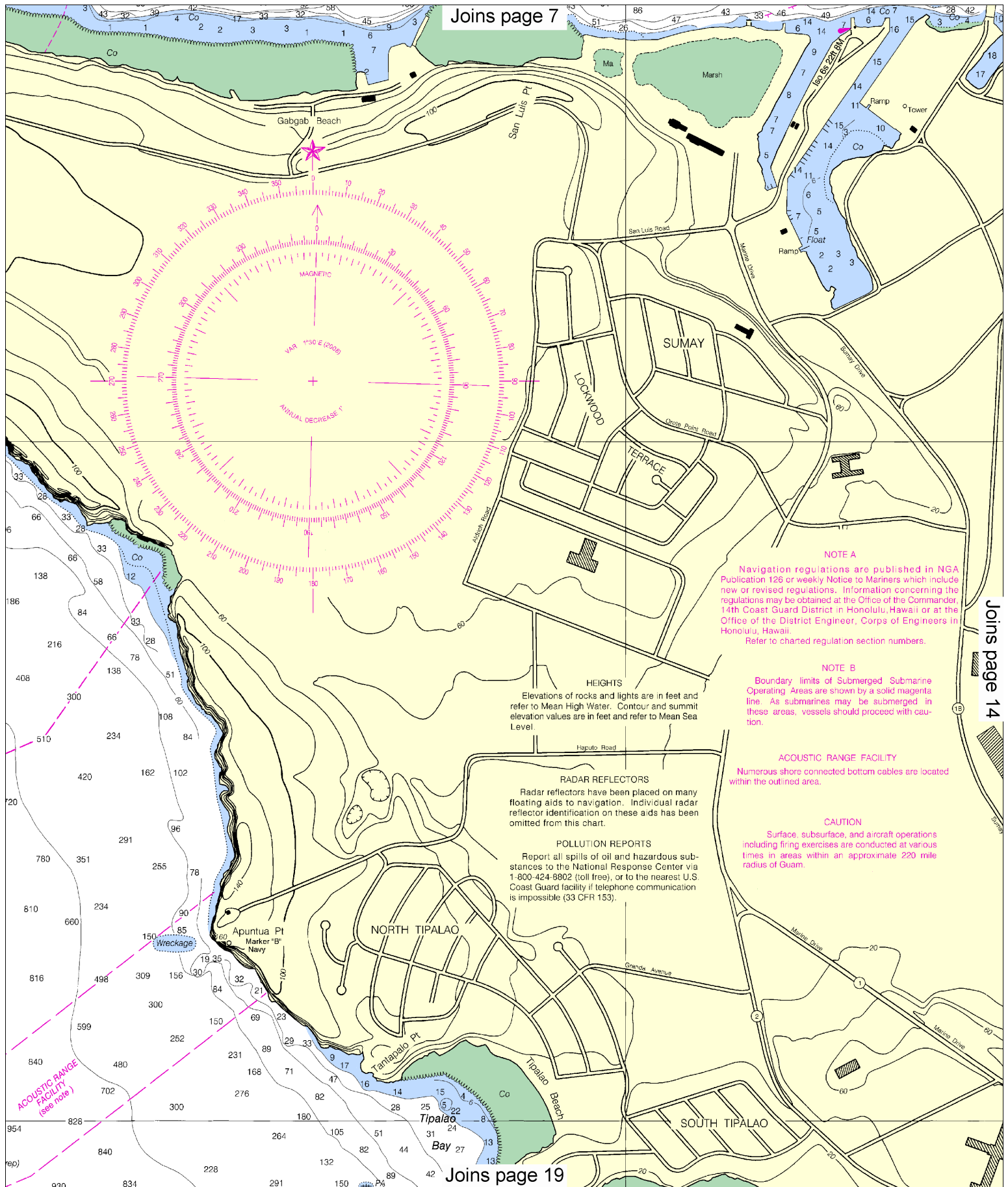
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:10,000
Nautical Miles

See Note on page 5.





Joins page 7

Joins page 14

Joins page 19

NOTE A

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Refer to charted regulation section numbers.

NOTE B

Boundary limits of Submerged Submarine Operating Areas are shown by a solid magenta line. As submarines may be submerged in these areas, vessels should proceed with caution.

ACOUSTIC RANGE FACILITY

Numerous shore connected bottom cables are located within the outlined area.

CAUTION

Surface, subsurface, and aircraft operations including firing exercises are conducted at various times in areas within an approximate 220 mile radius of Guam.

HEIGHTS

Elevations of rocks and lights are in feet and refer to Mean High Water. Contour and summit elevation values are in feet and refer to Mean Sea Level.

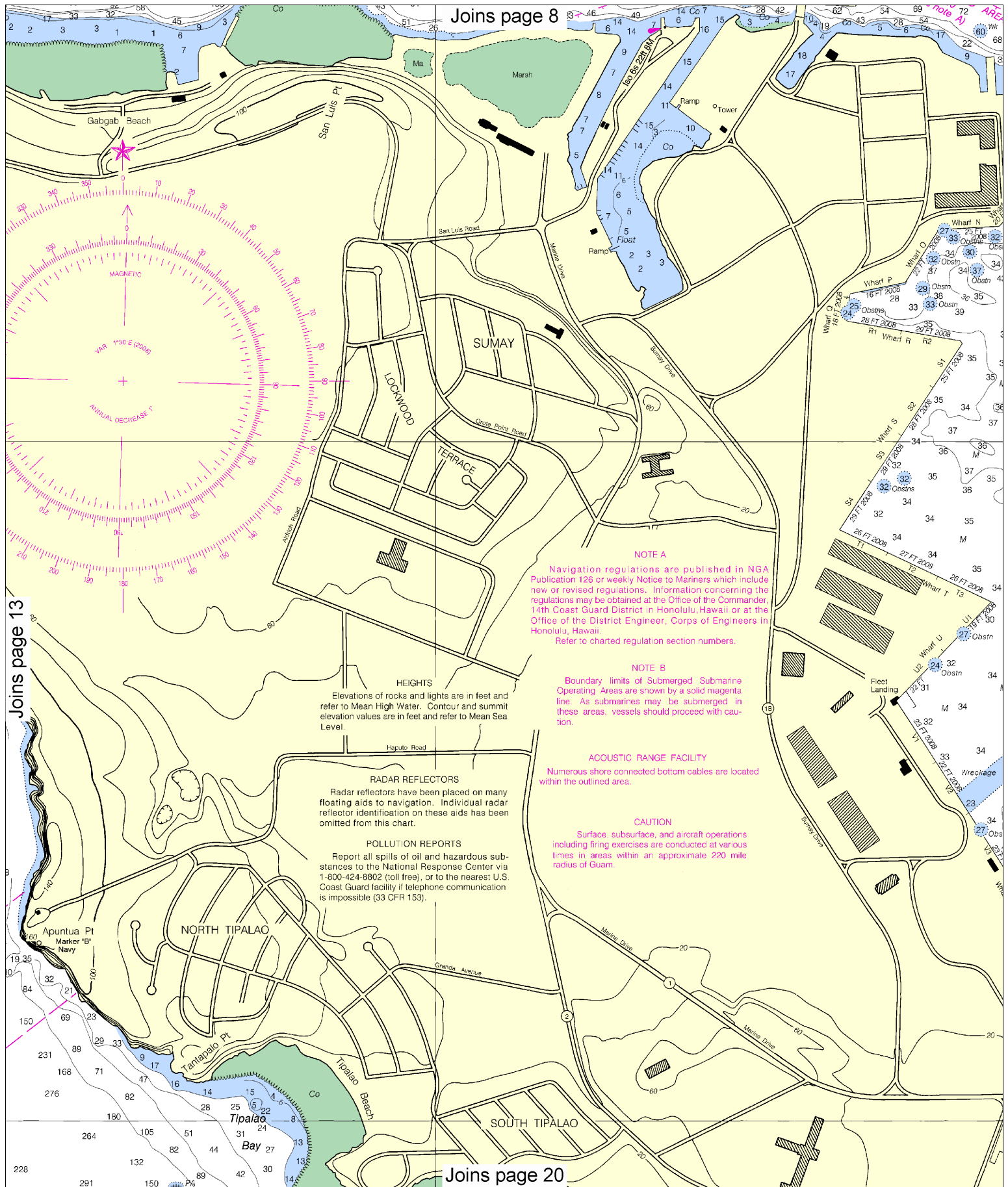
RADAR REFLECTORS

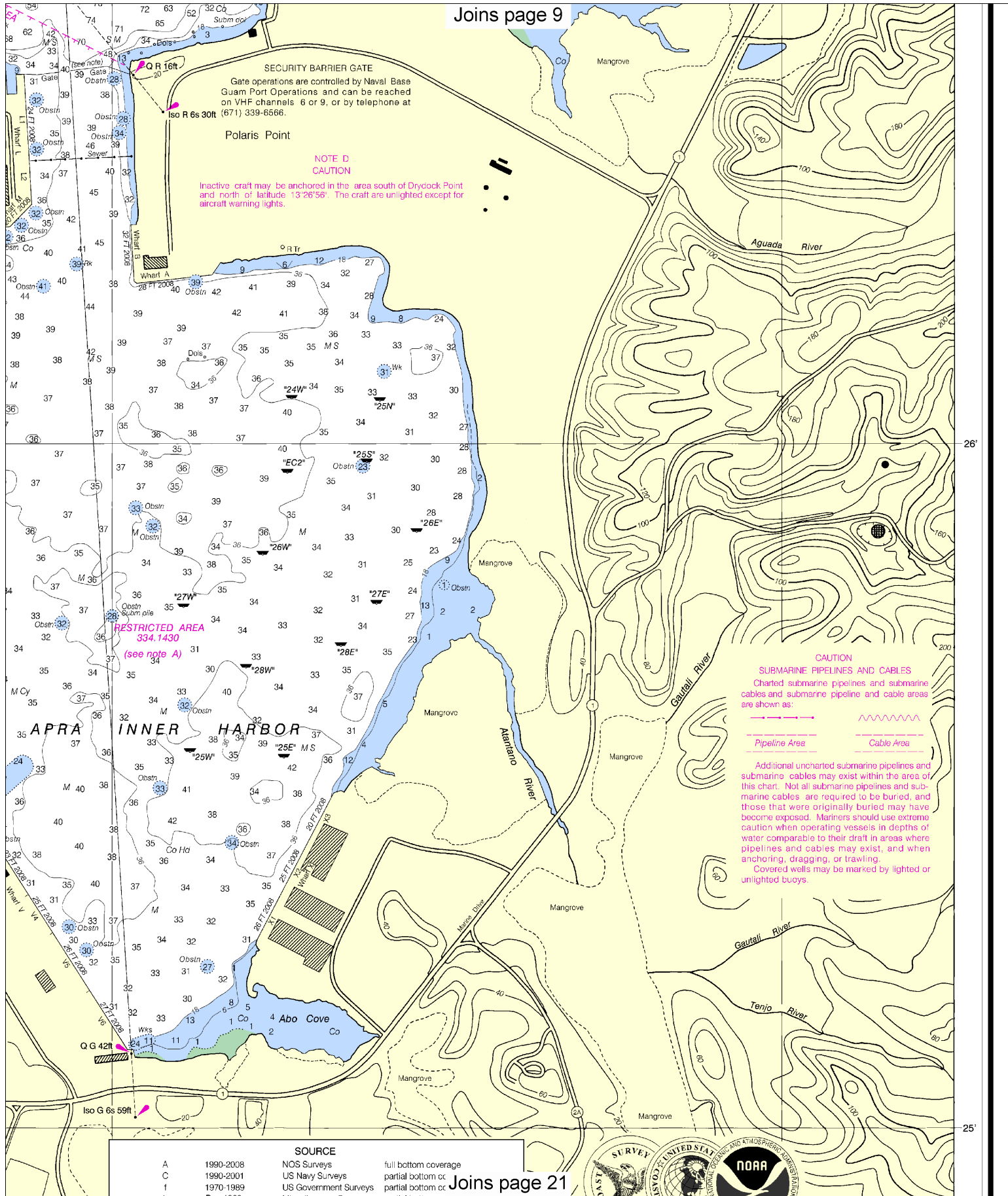
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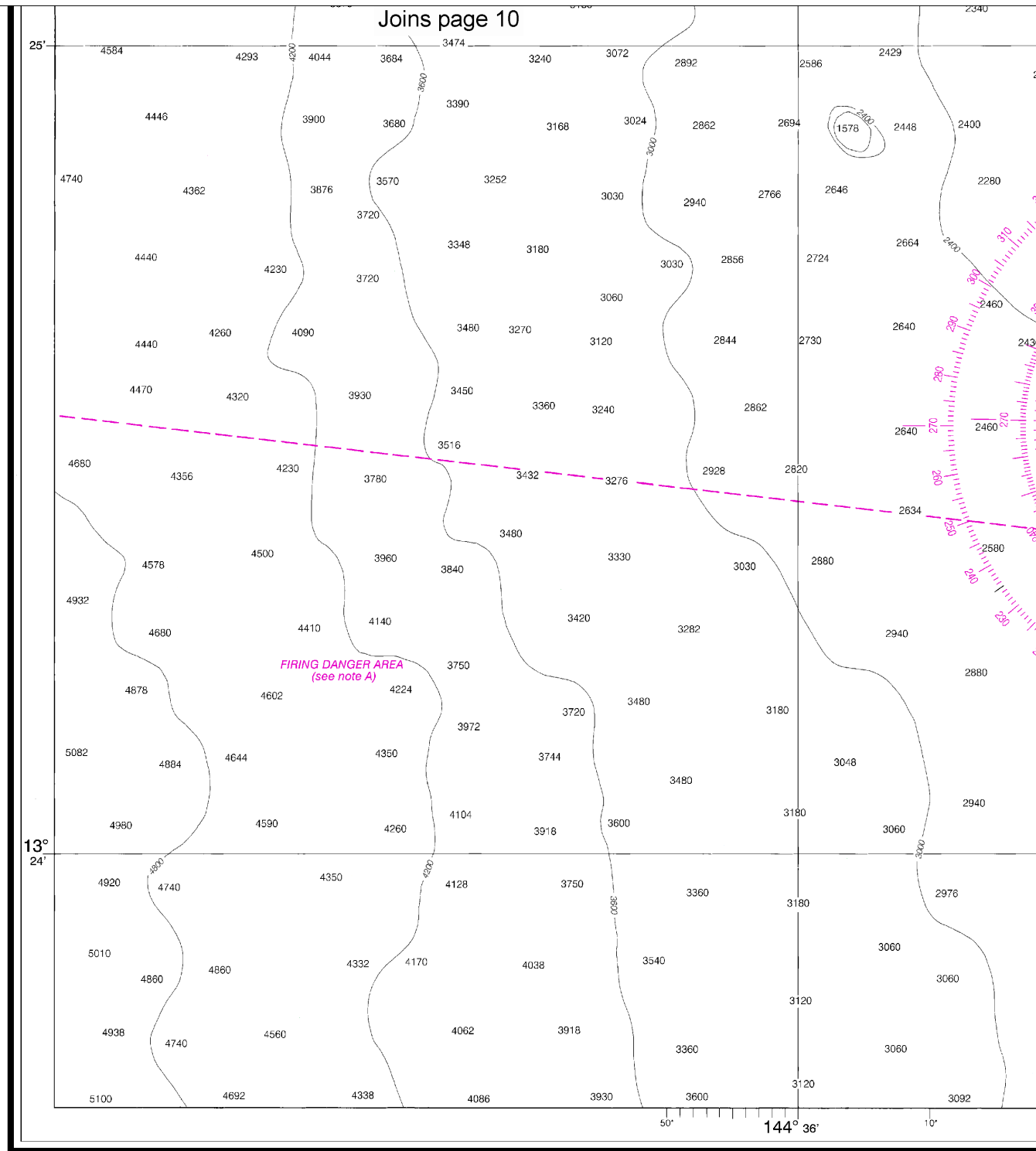
POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

ACOUSTIC RANGE FACILITY (see note)







16th Ed., Sep. / 08 ■ Corrected through NM Sep. 27/08
Corrected through LNM Sep. 16/08

81054

CAUTION

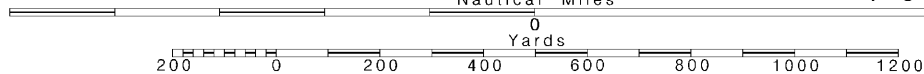
This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

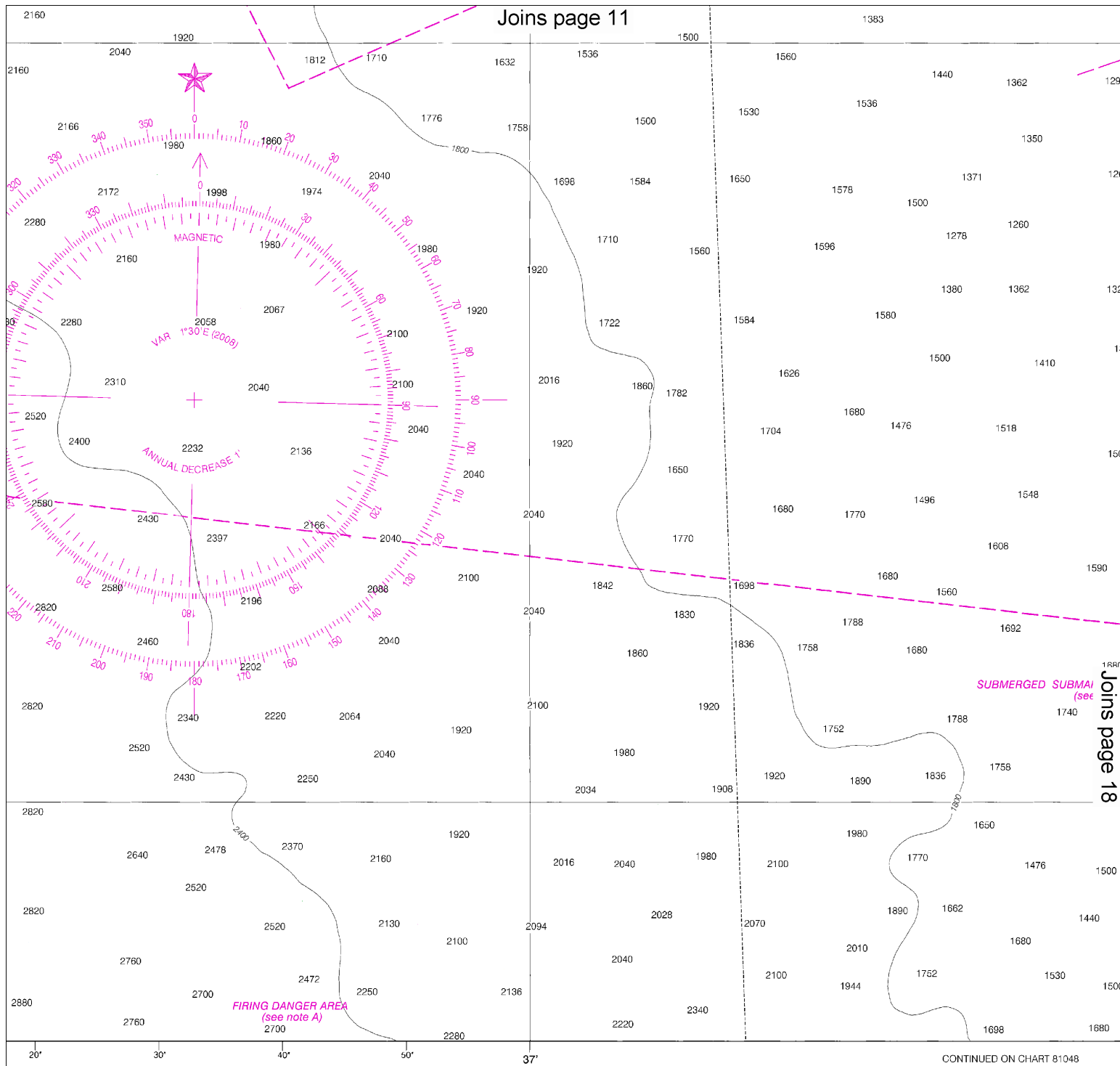
This nautical chart has been designed by the U.S. Coast Guard. The U.S. Coast Guard encourages users to submit suggestions for improving this chart to the Chief, Marine Service, NOAA, Silver Spring, Maryland.

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. — SCALE 1:10,000 —

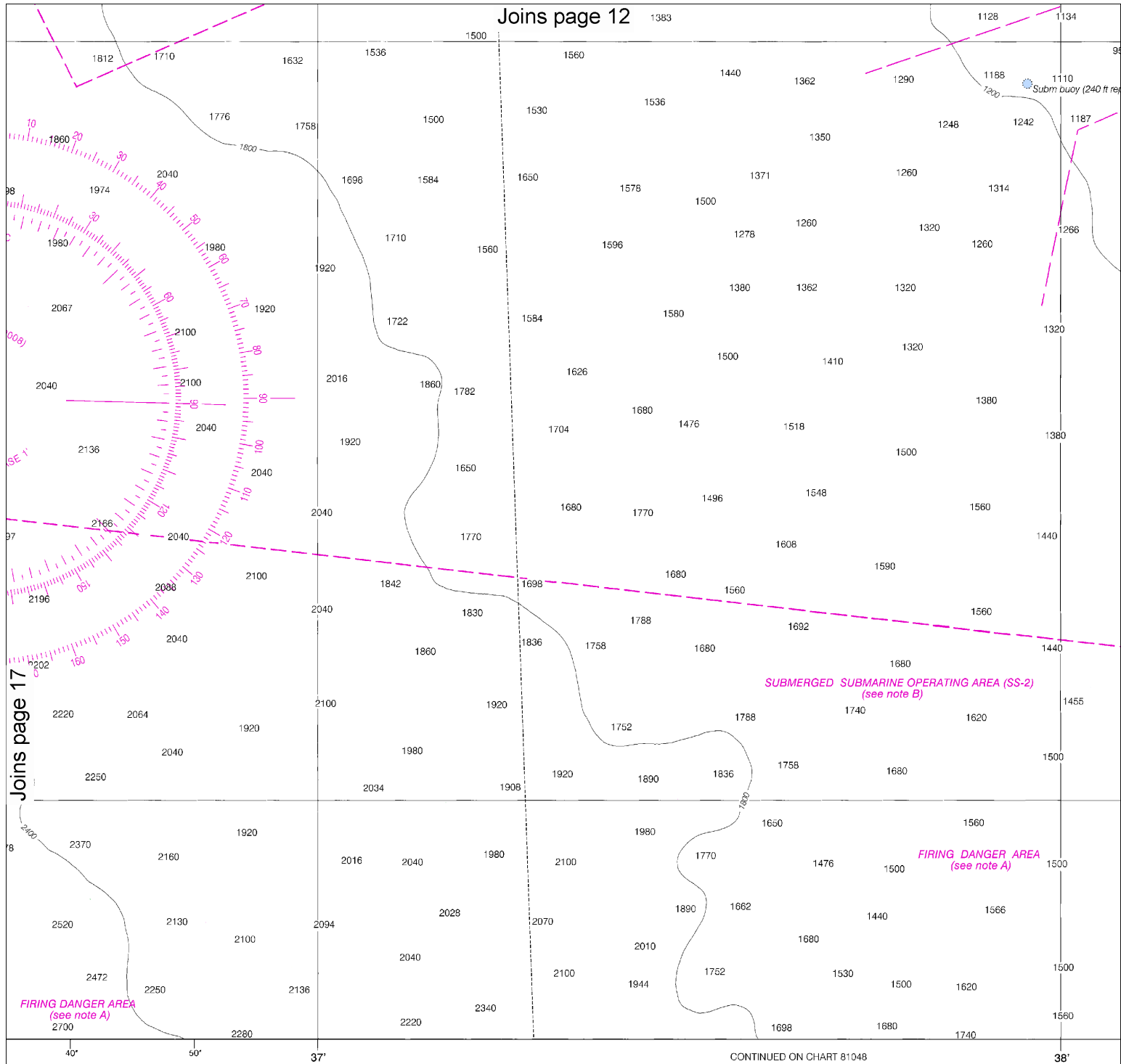
See Note on page 5.





ed to promote safe navigation. The National
 permit corrections, additions, or comments for
 the Chart Division (N/CS2), National Ocean
 and 20910-3282.

SOUNDINGS IN FEET



SOUNDINGS IN FEET

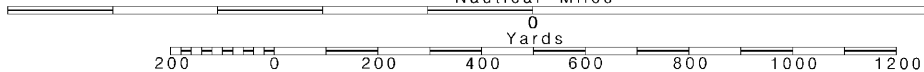
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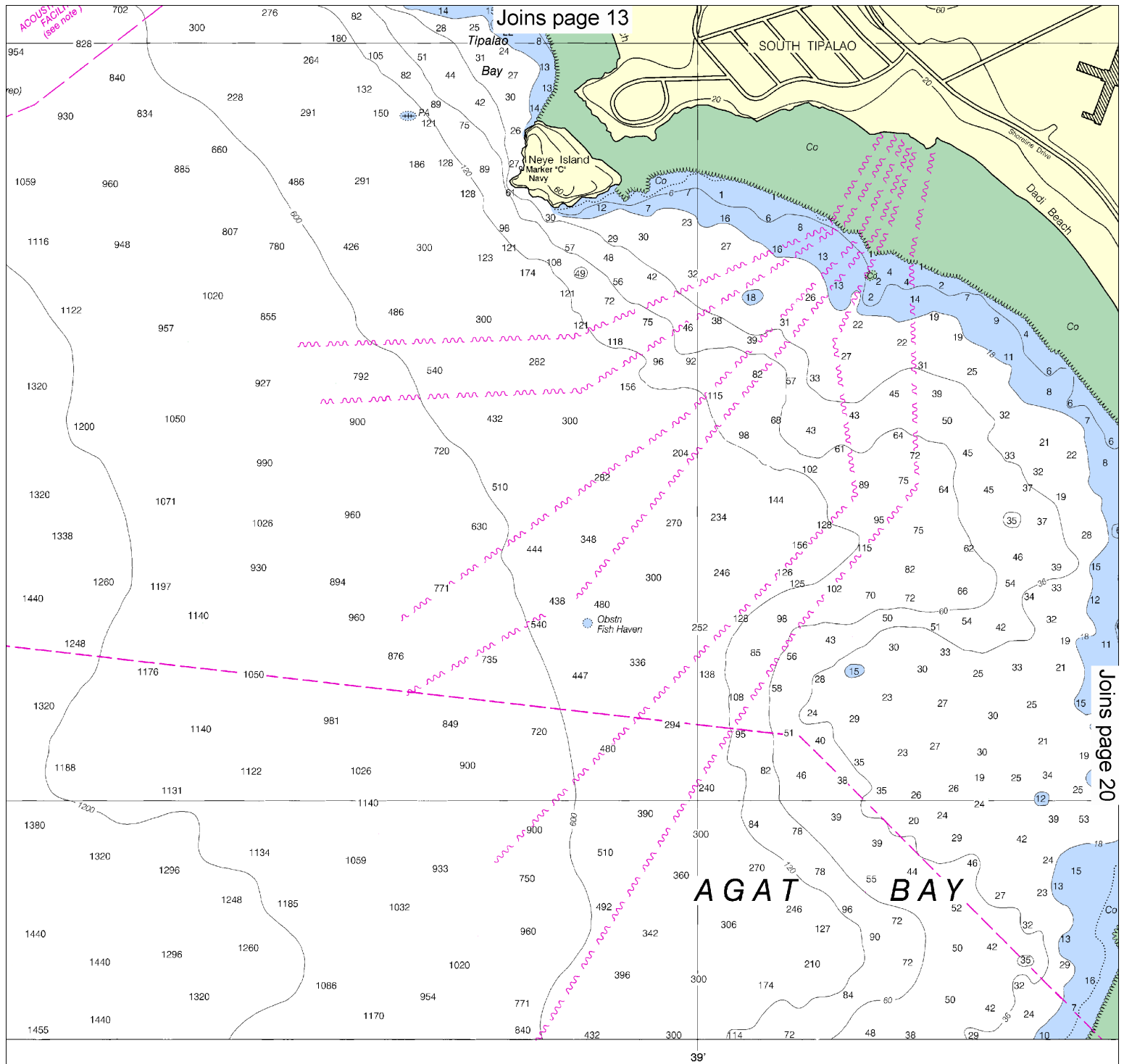
18

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. — ~~SCALE 1:10,000~~
Nautical Miles

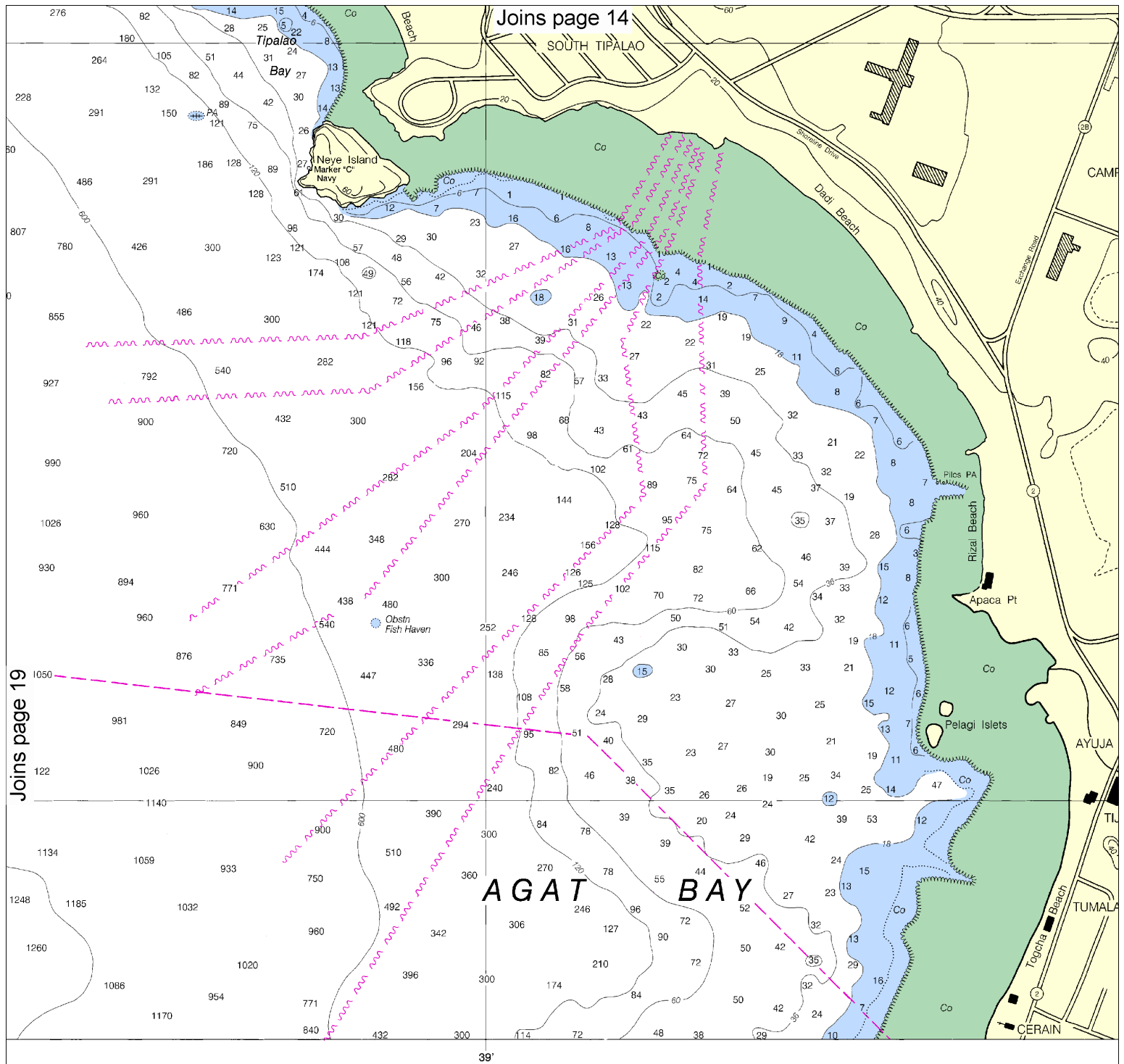
See Note on page 5.





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NATIONAL OCEAN SERVICE
COAST SURVEY

PRINT-ON-DEMAND
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PRINT-ON-DEMAND CHARTS

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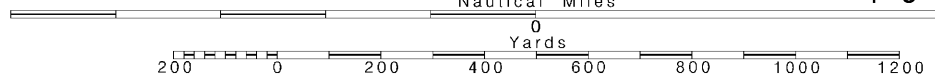
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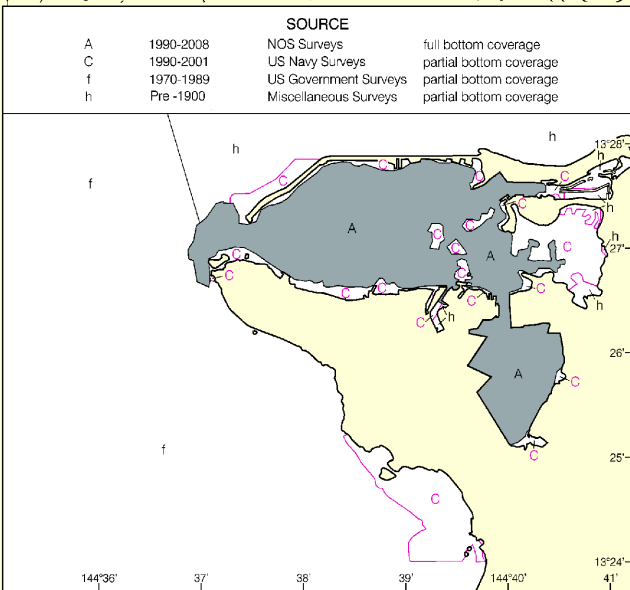
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:10,000
Nautical Miles

See Note on page 5.





THE NATION'S CHARTMAKER SINCE 1807

PACIFIC OCEAN

MARIANA ISLANDS

APRA HARBOR**TERRITORY OF GUAM**

Mercator Projection
Scale 1:10,000 at Lat. 13°27'

World Geodetic System 1984
(North American Datum of 1983)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

Additional information can be obtained at nauticalcharts.noaa.gov.**TIDAL INFORMATION**

PLACE	Height referred to datum of soundings (MLLW)			
		Mean Higher High Water	Mean High Water	Mean Low Water
NAME	(LAT/LONG)	feet	feet	feet
Apra Harbor, Guam	(13°26'N/144°39'E)	2.4	2.2	0.6

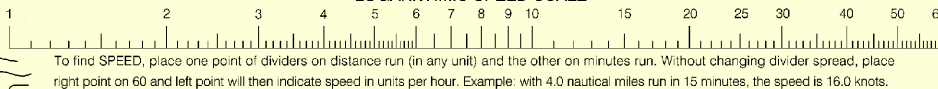
Dashes (---) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from <http://tidesandcurrents.noaa.gov> (Aug 2008)

For Symbols and Abbreviations see Chart No. 1

COLREGS: International Regulations for Preventing Collisions at Sea, 1972.
Demarcation lines are shown thus: ---

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the U. S. Coast Guard, Geological Survey, National Geospatial-Intelligence Agency and the Department of the Navy.

LOGARITHMIC SPEED SCALE

Nautical Miles

Yards

200 0 200 400 600 800 1000 1200

144° 40'

East from Greenwich

41'

848.1 X 1116.0 mm

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Apra Harbor

SOUNDINGS IN FEET - SCALE 1:10,000

81054



VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!



NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

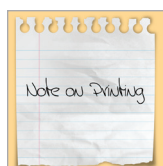
<http://www.nws.noaa.gov/nwr/>

Quick References

Nautical chart related products and information	—	http://www.nauticalcharts.noaa.gov
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Chart and chart related inquiries and comments	—	http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs
Chart updates (LNM and NM corrections)	—	http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html
Coast Pilot online	—	http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm
Tides and Currents	—	http://tidesandcurrents.noaa.gov
Marine Forecasts	—	http://www.nws.noaa.gov/om/marine/home.htm
National Data Buoy Center	—	http://www.ndbc.noaa.gov/
NowCoast web portal for coastal conditions	—	http://www.nowcoast.noaa.gov/
National Weather Service	—	http://www.weather.gov/
National Hurricane Center	—	http://www.nhc.noaa.gov/
Pacific Tsunami Warning Center	—	http://ptwc.weather.gov/
Contact Us	—	http://www.nauticalcharts.noaa.gov/staff/contact.htm



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This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.

NOAA's Office of Coast Survey



The Nation's Chartmaker